

Appl. No. 10/799,065
Examiner: MAI, ANH T, Art Unit 2832
In response to the Office Action dated October 28, 2005

Date: January 25, 2006
Attorney Docket No. 10113891

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claim 1 (currently amended): A transformer for a plurality of lighting tubes, comprising:
a coupling iron core;
a first winding around the coupling iron core;
a first bobbin disposed between the first winding and the coupling iron core;
a plurality of second windings, independent of each other and respectively winding
around the exterior of the first winding, wherein the second windings have the
same winding number; and
a second bobbin disposed between the first winding and one second winding;
wherein each pair of the plurality of lighting tubes is connected in series and driven by
one of the plurality of second windings.

Claim 2 (currently amended): The transformer as claimed in claim 1 further comprising a third
winding disposed between the first bobbin and the second bobbin, wherein the plurality of
second windings generate high voltage signals induced from the first winding and the third
winding.

Claim 3 (currently amended): The transformer as claimed in claim 2 further comprising a fourth
winding disposed between the first bobbin and the second bobbin, wherein the plurality of
second windings generate the high voltage signals induced from the first winding, the third
winding and the fourth winding.

Claim 4 (original): The transformer as claimed in claim 1 further comprising a plurality of
separators disposed around the exterior of the second bobbin, separation provided thereby
accommodating the second windings.

Claim 5 (currently amended): A voltage supply circuit for a plurality of lighting tubes, comprising:
a coupling iron core;

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a first winding around the coupling iron core receiving a first voltage signal;
a first bobbin disposed between the first winding and the coupling iron core;
a second winding around the exterior of the first winding inductively generating a second voltage signal;
a second bobbin disposed between the first winding and the second winding; and
a plurality of first lighting tubes, connected in series and driven by the second voltage signal.

Claim 6 (currently amended): The voltage supply circuit as claimed in claim 5 further comprising a third winding disposed between the first bobbin and the second bobbin, wherein the second winding generates the second voltage signal induced from the first winding and the third winding.

Claim 7 (currently amended): The voltage supply circuit as claimed in claim 6 further comprising a fourth winding disposed between the first bobbin and the second bobbin, wherein the second winding generates the second voltage signal induced from the first winding, the third winding and the fourth winding.

Claim 8 (original): The voltage supply circuit as claimed in claim 5 further comprising a plurality of separators disposed around the exterior of the second bobbin, separation provided thereby accommodating the second winding.

Claim 9 (original): The voltage supply circuit as claimed in claim 5, wherein the first lighting tubes are connected in serial with and driven by the second voltage signal.

Claim 10 (currently amended): A voltage supply circuit, appropriate for a plurality of lighting tubes, comprising:

a coupling iron core;
a first winding around the coupling iron core receiving a first voltage signal;
a plurality of second windings, independent of each other, respectively winding around the exterior of the first winding, and inductively generating a plurality of second voltage signals, wherein the second windings have the same winding number;
a second bobbin disposed between the first winding and the second winding; and

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a plurality of first lighting tubes, each pair of which is connected in series and driven by one of the second voltage signals.

Claim 11 (original): The voltage supply circuit as claimed in claim 10, wherein the first lighting tubes are discharge lighting tubes.

Claim 12 (original): The voltage supply circuit as claimed in claim 10 further comprising a plurality of second lighting tubes respectively connected in serial with the first lighting tubes.

Claim 13 (original): The voltage supply circuit as claimed in claim 10, wherein the first lighting tubes and the second lighting tubes are discharge lighting tubes.

Claim 14 (currently amended): The voltage supply circuit as claimed in claim 10 further comprising a third winding disposed between the first bobbin and the second bobbin, wherein the plurality of second windings generate the plurality of second voltage signals induced from the first winding and the third winding.

Claim 15 (currently amended): The voltage supply circuit as claimed in claim 14 further comprising a fourth winding disposed between the first bobbin and the second bobbin, wherein the plurality of second windings generate the plurality of second voltage signals induced from the first winding, the third winding and the fourth winding.

Claim 16 (original): The voltage supply circuit as claimed in claim 10 further comprising a plurality of separators disposed around the exterior of the second bobbin, separation provided thereby accommodating the second winding.